Amendment to the Abstract

Please replace the abstract with the following:

ABSTRACT OF THE DISCLOSURE

A parallel processor includes a global processor which interprets a program and control controls the entirety of the parallel processor. A processor-element block includes a plurality of processor elements each comprising a register file and an operation array for processing a plurality of sets of data. , wherein the The global processor outputs a control signal to the plurality of processor elements, and, thereby, sets processor-element numbers corresponding to the plurality of processor elements as input values of the operation arrays, respectively.